

Enclosure-1. New set of amended claims

1. System for adapting a conventional telephone line to a data and voice transmission local network comprising:

a device (1) for detecting hung up/picked up line, which provides a signal showing open or close line (7);

a device (2) for closing or opening the line (7), which provides the data to be transmitted;

a device (3) for detecting a conventional call;

an exterior connection module (4);

a power supply circuit (5);

control means (6);

and a communication protocol;

characterised in that said system uses the electrical power supply and buses from the analogical telephone line (7) itself without using an external power supply or independent wiring,

said control means (6), which on receiving a signal through the connection module (4) transmit a suitable signal to the device (2) for opening and closing the line (7), which transmits message data to be transmitted, while said control means (6) also receive the conventional call signals,

allows to transmit control protocol messages during the openings of the line (7) and without the telephone switchboard recognize any dialling.

2. System as claimed in claim 1, characterised in that it uses a communication protocol which allows to do a local communication with other systems as the system described herein and therefore allows to discriminate whether the communication received is for the itself equipment fitted with the system or for other equipment.